

IN THE CLAIMS

Please amend the paragraph beginning at page 6, line 3 as follows:

Fig. 5 is a section view showing a mold for forming a resin coating on the resin molded member; and

Fig. 6 is an explanatory section view showing the antenna;

Fig. 7A is a plan view of a first modified example of the tip end portion of the resin molded member;

Fig. 7B is a side view of the resin molded member of Fig. 7A;

Fig. 7C is a plan view of a second modified example of the tip end portion of the resin molded member;

Fig. 7D is a side view of the resin molded member of Fig. 7C;

Fig. 7E is a plan view of a third modified example of the tip end portion of the resin molded member; and

Fig. 7F is a side view of the resin molded member of Fig. 7E.

Please amend the paragraph beginning at page 8, line 22 as follows:

Further, as shown in Figs. 7A to 7F, the tip end portion of the resin molded member 12 may be formed into a quadrangular pyramid, a triangular pyramid or a pentagonal pyramid. The conical faces 12b of the prismoid or pyramid may not face the directions at which the protrusions 12a are arranged. The conical faces 12b may face the directions where are between the protrusions 12a in the circumferential direction of the resin molded member 12, so long as the injected insulating resin can be equally divided and can be uniformly flowed over the outer

circumference of the resin molded member 12.

IN THE CLAIMS

1. (Currently Amended) An antenna, comprising:

an antenna element;

a first resin member, integrally molded with the antenna element, the first resin member including:

a cylindrical body;

a plurality of protrusions, formed on an outer peripheral face of the ~~first resin member~~ cylindrical body and arranged with a fixed interval relative to a circumferential direction of the ~~first resin member~~ cylindrical body; and

a guide member formed on one longitudinal end of the cylindrical body

~~a tip end portion, having a cross sectional shape in which projected portions are arranged with a fixed interval relative to the circumferential direction of the first resin member;~~

and

a second resin member, coated on the first resin member so as to have a thickness substantially identical with a height of each of the protrusions, wherein:

the guide member has an outer peripheral face including a plurality of ridges which are arranged with a fixed interval relative to a circumferential direction of the cylindrical body; and

a cross section of the guide member becomes smaller toward a tip end thereof.

2. (Currently Amended) The antenna as set forth in claim 1, wherein the ~~tip end portion of the first resin~~ guide member is shaped into a prismoid having conical faces facing directions at which the protrusions are arranged.

3. (Currently Amended) The antenna as set forth in claim 1, wherein the ~~tip end portion of the first resin guide~~ member is shaped into a pyramid having conical faces facing directions at which the protrusions are arranged.

4. (Original) A method of manufacturing an antenna, comprising steps of:
providing an antenna element;
placing the antenna element in a first mold for molding a first resin member including:
a plurality of protrusions, formed on an outer peripheral face of the first resin member and arranged with a fixed interval relative to a circumferential direction of the first resin member; and
a tip end portion, having a cross sectional shape in which projected portions are arranged with a fixed interval relative to the circumferential direction of the first resin member;
injecting insulating resin into the first mold to form the first resin member;
placing the first resin member in a second mold such that the protrusions are brought into contact with an inner face of the second mold; and
injecting insulating resin into the second mold from a gate confronting the tip end portion of the first resin member, to form a second resin member coated on the first resin member.

5. (Original) The manufacturing method as set forth in claim 4, wherein the first mold is configured such that the tip end portion of the first resin member is shaped into a prismoid having conical faces facing directions at which the protrusions are arranged.

6. (Original) The manufacturing method as set forth in claim 4, wherein the first mold is configured such that the tip end portion of the first resin member is shaped into a pyramid having conical faces facing directions at which the protrusions are arranged.